

John Fennessey
09/26/2022

UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF MICHIGAN
SOUTHERN DIVISION

MICHAEL OLIVER,

Plaintiff,

-vs-

Case No. 20-cv-12711
Hon. Laurie J. Michelson

DONALD BUSSA, In his
individual and official
capacity, and CITY OF
DETROIT, Jointly and
Severally,

Defendants.

The Deposition of JOHN FENNESSEY,
taken before me, Theresa L. Roberts, Certified Shorthand
Reporter (CSR-4870) and Notary Public for the County of
Oakland (acting in the County of Wayne), at 2 Woodward
Avenue, Suite 500, Detroit, Michigan, on Monday,
September 26, 2022, noticed for 10 o'clock A.M.

APPEARANCES:

For the Plaintiff: ROBINSON & ASSOCIATES, P.C.
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For the Defendants: CITY OF DETROIT LAW DEPARTMENT
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6 E X H I B I T S

7 DESCRIPTION PAGE

8 Deposition Exhibit No. 1 Deposition Notice 4

9 Deposition Exhibit No. 2 Photo Line-up Images 24

10 Deposition Exhibit No. 3 Inquiry Images 24

11 Cross Examination
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12 (Exhibits attached)

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1 Detroit, Michigan
2 Monday, September 26, 2022
3 (At about 10:08 A.M.)
4

5 J O H N F E N N E S S E Y

6 after having been first duly sworn to tell the
7 truth, the whole truth and nothing but the truth,
8 was examined and testified upon his oath as
9 follows:

10 MR. ROBINSON: This deposition is taken
11 pursuant to notice and to be used for any and all
12 purposes under the rules that apply.

13 CROSS-EXAMINATION

14 BY MR. ROBINSON:

15 Q. Mr. Fennessey, did I pronounce your last name
16 correctly?

17 A. **Correct, John Fennessey.**

18 Q. And do you have a middle name?

19 A. **Francis.**

20 Q. You and I have met before?

21 A. **Yes.**

22 Q. On the Parnell case.

23 A. **I'm sorry.**

24 Q. On the Parnell case.

25 A. **Yes.**

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1 Q. Yeah.

2 A. And before that too going back a ways.

3 (Deposition Exhibit Number 1
4 was marked for identification)

5 BY MR. ROBINSON:

6 Q. All righty. You have been designated by the City of
7 Detroit to answer certain questions specific to --
8 and I'm just going to read, as I marked Plaintiff's
9 Exhibit Number 1, duces tecum deposition notice.
10 "Pursuant to Federal Rules of Civil Procedure 30 and
11 34, deponent is directed to produce at the time of
12 his or her deposition a person designated by the
13 City of Detroit most knowledgeable in the
14 pre-investigation into the purchase of the facial
15 recognition software from DataWorks Plus along with
16 documents in support of their testimony as outlined
17 below."

18 "A, produce any and all studies the
19 DPD/City of Detroit relied on to investigate the
20 utility and application of DataWorks' facial
21 recognition company and software specific to the
22 issue of misidentification of people of color prior
23 to the initial purchase and deployment of the
24 software. B, any and all written directives and
25 policy manual provisions concerning any use and

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1 deployment of DataWorks Plus facial recognition
2 software as specified chronologically by the dates
3 of issuance of the directives and manual provisions
4 issued."

5 "C, any and all training material or
6 instructional material that was provided to Detroit
7 Police Department investigators apprising them of
8 the concerns of opponents in the use of facial
9 recognition as it relates its accuracy and
10 identifying persons of color."

11 "D, any and all emails, texts, letters
12 and any other communications between Detroit Police
13 Department/City of Detroit and DataWorks Plus or its
14 Senior Account Executive Randy Hall, that would
15 evidence information, consideration and concern in
16 regard to the accuracy in identifying persons of
17 color."

18 "E, any and all independent DPD research
19 into accuracy in identifying persons of color."

20 "F, any and all board of police
21 commissioner, transcripts of Tawana Petty or other
22 documents provided by her or her agents or other
23 advocates opposing the use of facial recognition in
24 the city of Detroit on the basis of the accuracy in
25 identifying persons of color."

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1 "G, please provide any written documents
2 or testimony demonstrating public comments the City
3 received before or just after adopting DataWorks'
4 technology."

5 Now I'm going to hand you this,
6 Mr. Fennessey, and ask whether or not you, number
7 one, were provided with that notice?

8 MR. CUNNINGHAM: I'll just state for the
9 record, Dave, that Mr. Fennessey is here to speak to
10 letters B and E of the 30(b)(6) deposition.

11 BY MR. ROBINSON:

12 Q. So can you answer my question, Mr. Fennessey?

13 A. **So have I seen Exhibit 1?**

14 Q. Yes.

15 A. **Yes, sir, I have.**

16 Q. Okay, all right. Did you bring with you any of the
17 requested materials in Exhibit 1?

18 A. **No, because I don't have any of the requested**
19 **materials. Everything I had regarding the purchase**
20 **of it I've turned over to corporation counsel.**

21 Q. Okay. I'm sorry. According to Mr. Cunningham
22 you're here only in a capacity to talk about B, any
23 and all written directives and policy manual
24 provisions concerning the use and deployment of
25 DataWorks Plus facial recognition software as

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1 specified chronologically by the dates of issuance
2 of the directives --

3 MR. CUNNINGHAM: Dave, I'm going to stop
4 you before you finish that. I meant A. B was a
5 mistake, I meant A. Produce any and all studies
6 DPD/City of Detroit relied on and E, independent DPD
7 research.

8 MR. ROBINSON: Okay.

9 BY MR. ROBINSON:

10 Q. Okay, what did you bring with you with regard to A
11 and E?

12 A. May I see Exhibit 1, please? As to paragraph A,
13 there were no -- there was no studies that the
14 Detroit Police Department relied on prior to the
15 purchase of -- or the RFP, you know this is
16 competitively bid. RFP, request for product, you
17 know, it's kind of a purchasing term. They did not
18 have it then.

19 Q. Okay. Let's turn to E.

20 A. Okay, E, that's the one about any and all
21 independent DPD research. I worked for the
22 Department of Innovation and Technology, the public
23 safety section, so I know -- I don't know of
24 anything that DPD did regarding looking into that
25 issue.

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1 Q. So, again, you're the designee pursuant to our
2 request for a person most knowledgeable on the
3 subject matter of A through G. And for the record
4 Mr. Cunningham has indicated that you have been
5 produced in response to that request to give
6 testimony and to produce documentation in support of
7 **A. And that is produce any and all studies the**
8 **DPD/City of Detroit relied on to investigate the**
9 **utility and application of DataWorks' facial**
10 **recognition company and software specific to the**
11 **issue of misidentification of people of color prior**
12 **to the initial purchase and employment of the**
13 **software.**

14 It is your testimony today that you are
15 unable to produce any documents or to give any
16 testimony specific to that request?

17 A. No, I'm saying that there -- there were no studies
18 at that time that I'm aware of.

19 Q. Okay. So -- and my question is you can't give
20 any testimony or produce any studies relative to the
21 request in A?

22 A. Correct.

23 Q. Is that correct?

24 A. Yes.

25 Q. And then E asks that you bring any and all

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1 independent Detroit Police Department research into
2 the accuracy in identifying persons of color.
3 Again, you are the designee for the City of Detroit
4 in order to produce materials and testimony in
5 support of paragraph E, and that is any and all
6 independent DPD research into the accuracy in
7 identifying persons of color.

8 It's your testimony today that you have
9 not any documents in support of any independent
10 research or you cannot provide any testimony as it
11 relates to the accuracy in identifying persons of
12 color independent to any research done by the
13 Detroit Police Department; is that correct?

14 **A. Yeah, I'm not aware of any investigation or anything**
15 **done by independent agencies for the Detroit Police**
16 **Department, and I don't have any documentation**
17 **related to -- I don't know if they did any, but I**
18 **don't have any documentation.**

19 **Q. So Mr. Cunningham has indicated you're here to**
20 **provide support and elucidation for paragraphs A and**
21 **E, that isn't true, you can't provide any?**

22 **A. For paragraph A, I was part of the RFP committee,**
23 **and at the time there were -- my understanding of,**
24 **you know, we rely on -- a lot of times you look at**
25 **-- like missed the standards and things like that.**

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1 That was not something that were studies that were
2 available at the time. So we didn't -- I know we
3 didn't look at any doc -- any studies, and I don't
4 think there were any studies at the time.

5 Q. Studies on what?

6 A. On the application of facial recognition to people
7 of color.

8 Q. When you say that there weren't any studies, you
9 mean during your involvement you weren't presented
10 with any studies; you're not saying that there were
11 no universal studies out there, right?

12 A. At the time of the purchase -- the request for --
13 RFP, request for product there, we did not have any
14 studies.

15 Q. I'm trying to understand --

16 A. And I don't believe there were any. Like I know --
17 I'm almost positive NIST did not have anything.

18 Q. Okay. What is NIST?

19 A. National Institute of Standards and Technology.

20 Q. Okay. And, again, you, independent of anybody else
21 that was involved in the RFP, did you do any
22 independent research on the issue of the accuracy or
23 inaccuracy of facial recognition identification as
24 it relates to persons of color?

25 A. At the time of the purchase, no.

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1 Q. Is it your testimony to me today that universally at
2 the time, and I'll get into what time frame that it
3 was, that universally there was no information or
4 literature out there?

5 A. I can't speak to universally. Just what I'm saying
6 is, you know, looking at the kind of the studies I
7 looked at, which was primarily the NIST, there was
8 nothing regarding that.

9 Q. Okay, all right. And you're not saying there wasn't
10 anything out there; you're just saying what you were
11 exposed to in the limitations of what you were
12 exposed to, it did not address the inherent bias as
13 it relates to facial recognition and identifying
14 persons of color at the accuracy?

15 A. At the time of the -- at the time purchasing was
16 occurring, no, I was not aware of anything.

17 Q. Okay. You know, it's like, you're an attorney too,
18 right?

19 A. I am.

20 Q. Lawyers. Again, at the time of purchase -- when was
21 that?

22 A. I want to say it was 2016. I think it was when
23 we --

24 Q. And who among the committee or the purchase
25 committee or whomever, other than yourself, was

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1 involved?

2 A. I have to think back. I believe it was Brad May,
3 who at the time was director of public safety IT and
4 cybersecurity and Nick Giaquinto who was a police
5 commander at the time. And then they had somebody
6 from purchasing I can't recall, who was kind of
7 running the RFP from the purchasing perspective.

8 Q. Okay. And were there meetings held and discussions,
9 email exchanges, texts and so forth?

10 A. Well, I'm sure there were. I know we had product
11 demos where they ^{the company} -- the three companies bid. One
12 was nonresponsive; that was Flyball, I think it was,
13 and then DataWorks Plus and ID Networks were the
14 companies that responded who did product
15 demonstrations for us.

16 Q. Were there emails and text exchanges?

17 A. Oh, I'm sure there were.

18 Q. Okay. Because I had asked for those to be produced
19 though.

20 A. I'm not the keeper of records for emails. Typically
21 that will go to the department of innovation and
22 technology. They can do a comprehensive search
23 across everyone's email box to return those.

24 Q. Okay. So that wasn't done in this case, although
25 you were provided with that notice?

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1 **A.** I do not know if it was found. I don't have any
2 control over the email systems.

3 **Q.** I understand that. But you were provided with the
4 notice and the notice was directed to you to provide
5 those materials for this deposition. Did you
6 address that with your lawyer, Mr. Cunningham?

7 **A.** I believe he's a lawyer for the City. I did not
8 address that with him. Typically that is handled
9 through other channels within the Department of
10 Innovation and Technology.

11 **Q.** Did Mr. Cunningham address it with you?

12 MR. CUNNINGHAM: You don't have to answer
13 that question.

14 MR. ROBINSON: Okay. On the basis of
15 what?

16 MR. CUNNINGHAM: Attorney/client
17 privilege.

18 MR. ROBINSON: I just want it for the
19 record.

20 BY MR. ROBINSON:

21 **Q.** Okay. So as we speak today are you aware -- have
22 you been made aware that there are inherent biases
23 in facial recognition, and there have been studies
24 relative to the misidentification of people of color
25 and based on the algorithms that are created by the

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1 technicians, as it were, in these facial recognition
2 algorithm software systems?

3 A. I have read that there is a -- I think depending on
4 how these systems are trained, there may be a lower
5 accuracy rate of identification.

6 Q. Of people of color?

7 A. Correct.

8 Q. Okay, when did you learn that?

9 A. Oh, I can't recall. I know --

10 Q. Was it before 2016 or after?

11 A. Well after that. ^{John Fennessey} Once again, you know, I like NIST
12 standards. They have the facial recognition vendor
13 test, I think it's FRVT, and I don't recall them
14 addressing that until some time after 2016. I don't
15 believe that became a factor until 2017, '18.

16 Q. Okay.

17 A. But you'd have to go back through their reports.

18 Q. Okay. Subsequent to, let's say, 2016 to the
19 present, to your knowledge has there been any
20 consideration by the Detroit Police Department in
21 its use of facial recognition processes in arrestees
22 or suspects of color given for what is in the
23 industry some understanding that there are
24 shortcomings in the system as it relates to
25 accurately identifying persons of color?

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1 **A.** **I'm not familiar with what DPD has done for their**
2 **internal processes and standards.**

3 **Q.** So to your knowledge no consideration -- to your
4 knowledge no consideration has been adopted as a
5 consequence of what now is an understanding?

6 **A.** **Not that I'm aware of.**

7 **Q.** Okay. And what is your position today with the
8 Detroit Police Department?

9 **A.** **I work for the Department of Innovation and**
10 **Technology.**

11 **Q.** Okay.

12 **A.** **And so I'm a manager.**

13 **Q.** The Department of Innovation and Technology?

14 **A.** **Yes, sir.**

15 **Q.** And that department falls under whose auspices?

16 **A.** **The chief information officer.**

17 **Q.** And the chief information officer works for whom?

18 **A.** **The mayor.**

19 **Q.** And that's still a part of the City of Detroit?

20 **A.** **Correct.**

21 **Q.** And you're subject to interacting with the Detroit
22 Police Department specifically in your role as the
23 innovation and technology individual?

24 **A.** **The Detroit Police Department, the Detroit Fire**
25 **Department, EMS, Emergency Medical Services and**

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1 **Homeland Security.**

2 Q. And you have no knowledge of the arrest of
3 Michael Oliver, correct?

4 A. **Correct.**

5 Q. Or of Robert Williams, correct?

6 A. **Correct.**

7 Q. Did any of your activity as it relates to the RFP
8 for facial recognition software from DataWorks Plus
9 include any consideration that the software and the
10 facial recognition processes would be utilized in a
11 City that was 80^{percent} percent people of color?

12 A. **No.**

13 Q. Were you, in the processes of the RFP, made aware of
14 any of the groups of -- advocacy groups against the
15 implementation of facial recognition in the city of
16 Detroit based on the fact that these algorithms are
17 inherently bias, as it relates to the identification
18 of people of color?

19 A. **I was not aware of any advocacy groups opposed to**
20 **it, the facial recognition.**

21 Q. Did you attend any Board of Police Commissioner
22 meetings?

23 A. **Ever?**

24 Q. I apologize. As it relates to this specific issue,
25 the RFP for facial recognition?

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1 A. Not that I recall.

2 Q. You ever heard of a person by the name Tawana Petty?

3 A. I have not. Well, aside from you mentioned her name
4 earlier.

5 Q. Right. What is your understanding from your, NIST,
6 N-I-S-T, right -- what is your understanding of how
7 it is that there is this inherent bias as it relates
8 to the identification of persons of color?

9 A. My understanding is based on what type of
10 photographs they use to train the system. They got
11 to teach the algorithm. And then if you give it a
12 broader sample which has a wider range of people
13 from different ethnic backgrounds, there's not --
14 there's no inaccuracy -- the inaccuracy rate
15 decreases.

16 Q. Right. And stated another way, the samples that are
17 used are of the majority population, white people
18 essentially?

19 A. I can't -- I know the companies have adjusted once
20 this issue was raised, but I don't -- I can't tell
21 you exactly what they used originally.

22 Q. So you don't have a basis to disagree with what I am
23 saying, right?

24 A. You said a bunch of stuff. What I can say is at one
25 point I know they had a higher inaccuracy rate for

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1 people of different ethic backgrounds.

2 Q. Why?

3 A. Whether it's --

4 Q. How come?

5 MR. CUNNINGHAM: Let him answer. Go
6 ahead, John.

7 THE WITNESS: Whether it's, you know,
8 Middle Eastern, African-American or, you know, some
9 other ethnic background. Once the companies became
10 aware of that, my understanding is they started
11 using a broader pool of photographs to train the
12 systems.

13 BY MR. ROBINSON:

14 Q. Okay. So you're not disputing the fact that prior
15 to what it is that you're alluding to, the
16 population of samples were pretty much narrowed to
17 white people and the biogenetics, basically white
18 males, correct?

19 MR. CUNNINGHAM: Object. That's a
20 compound question.

21 BY MR. ROBINSON:

22 Q. Correct?

23 A. I don't think biogenetics applies to facial
24 recognition, but the -- I cannot tell you which --
25 you have an algorithm behind each facial recognition

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1 system. I cannot tell you exactly what the
2 algorithms that were used by ID -- or DataWorks Plus
3 rather, I can't tell you how those were trained.
4 What I'm saying is generally in the industry, that's
5 my understanding of what's going on.

6 Q. Okay. So -- I'm sorry.

7 A. Yeah. Someone would have to go back and find out
8 what, I believe it was NEC which was the algorithm
9 company, how they trained the algorithm that was in
10 place at that time. You know, I'm speaking
11 generally about what's been going on in the
12 industry. I cannot tell you exactly what ID Net --
13 DataWorks Plus, the algorithm they used, how that
14 was trained. I think that may be kind of the
15 question you're asking.

16 Q. So between yourself, Nick Giaquinto and Brad, what's
17 Brad's last name?

18 A. Brad May.

19 Q. May? This discussion was never had between the
20 three of you, this discussion of what goes into the
21 algorithms and to avoid, you know, the inaccuracies
22 of people of color?

23 A. Correct.

24 Q. Right.

25 A. I do not recall discussing that.

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1 Q. And did you have discussions with DataWorks Plus,
2 the group? You would have, right?

3 A. At the time of the purchase?

4 Q. Yeah, right, you would have?

5 A. Well, discussions or -- about the -- discussions
6 about some of --

7 Q. Purchasing, purchasing, you had discussions -- you
8 would have had discussions with DataWorks Plus
9 regarding the purchase of facial recognition
10 software, right?

11 A. As opposed to the ^{John Fennessey}lower -- because we're, I'm sorry,
12 the purchasing, yes, I spoke with them around
13 purchasing. I don't recall ever speaking to anyone
14 from DataWorks Plus regarding having a less accurate
15 for, you know, minority populations or majority here
16 minority nationwide.

17 Q. Okay. So, and that no person from DataWorks Plus
18 that you spoke to raised this issue with you,
19 correct?

20 A. Correct. Of the issue of --

21 Q. Yeah, correct.

22 A. -- lower accuracy rates.

23 Q. Lower accuracy rates. And are you still involved in
24 any way in a relationship to contract renewals by
25 the City of Detroit for facial recognition software

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1 from DataWorks Plus?

2 **A. Yes.**

3 Q. Okay. Since you came into the knowledge of NIST and
4 its appreciation for these inaccuracies that we're
5 talking about, have there been any discussions with
6 DataWorks Plus specific to any modifications in its
7 software -- its employment of their software in the
8 Detroit Police Department as it relates to this
9 specific issue of inaccuracies?

10 **A. I have not been part of any and I'm not aware of**
11 **any.**

12 Q. Okay, all right, all right, all right. Now, as the
13 Department of Innovation and Technology, can you
14 give us a broad description of what your role is?

15 **A. Within the Department of Innovation and Technology**
16 **my current role is primarily working on writing RFIs**
17 **and working on some special projects.**

18 Q. What's an RFI?

19 **A. That's a request for information. Either a request**
20 **for information or RFP where you're trying to**
21 **determine what's available in the marketplace.**

22 Q. Okay. And based on your research you would make
23 recommendations for or against something?

24 **A. When I'm part of an RFP committee or RFI committee?**

25 Q. I don't know.

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1 A. Yeah, I have been a voting member for selections of
2 different types of technology.

3 Q. And if you were to come into information that would
4 say has the potential to be discriminatory as it
5 relates to citizens in the city of Detroit,
6 African-Americans and people of color, is that
7 something that should concern you and if you were to
8 make or not make a recommendation for purchase?

9 A. When we're purchasing, we have standards that are
10 presented to us by the department of -- Office of
11 Contracting and ~~Procurement~~ Procurement, OCP. And within those
12 parameters you always want to get the best product
13 for the City of Detroit.

14 Q. And that is not an answer to my question.

15 MR. ROBINSON: Can you reread?

16 (The pending question was

17 read back by the reporter)

18 THE WITNESS: What I responded is, you
19 know, we have standards that are presented to us by
20 contracting procurement. You know, I'm not going to
21 buy something that's going to be intentionally
22 discriminatory or recommend. You know, I don't make
23 -- I'm not the only person making these decisions,
24 but that's -- I have not been confronted with that
25 question where someone -- you know, this product is,

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1 you know, de facto discriminatory against anybody
2 with any background.

3 BY MR. ROBINSON:

4 Q. But it would be certainly information that would be
5 of concern to you if, in fact, you were to come into
6 that information?

7 A. Yes. You want to be fair but here we're talking
8 about a lower accuracy rate, not discriminatory.

9 So, you know, I -- like I said, I'm not going to --

10 Q. Okay, you're opening up a can of worms on that one.

11 A lower accuracy ^{rate} but not discriminatory, how do
12 you reconcile that?

13 A. One's more of a scientific thing. You know, it's
14 just -- that's -- the readings I have done say that
15 the algorithms for many of the vendors, there's
16 probably like 100, 200 different vendors who make
17 facial recognition algorithms, and some are of
18 higher accuracy with different populations.

19 Q. And again, only information that you gave
20 consideration to at the time of purchase in 2016
21 would have been the NIST information; is that
22 correct?

23 A. No. At the time -- because it's an RFP, a request
24 for product, OCP, Office of Contract and Procurement
25 has a grid on the factors that we consider and give

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1 -- award points. That's how the decision was made
2 to go with the DataWorks Plus over ID networks. I
3 can't recall what, you know, the Office of Contract
4 and Procurement probably still have the -- have the
5 grid, but it's just, you know, just doesn't -- price
6 is always a factor, quality, solution. You know,
7 sometimes the factors are like the -- you know, the
8 background of the people who are working on the
9 project, things like that. But that's how -- that's
10 how purchasing is done. It's just, you know, here's
11 the factors you consider, award points and then they
12 add them up, and that's how the contracts are
13 awarded.

14 MR. ROBINSON: Mark these two for me.

15 (Deposition Exhibit Number 2 and
16 3 were marked for identification)

17 BY MR. ROBINSON:

18 Q. Now, with regard to the images that may be used to
19 -- images that are submitted, let's say, to the
20 facial recognition system for the Detroit Police
21 Department, were there discussions that you had
22 concerning image quality?

23 A. Do you mean the photographs, the probe photographs
24 or do you mean the templates that are being matched
25 against?

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1 Q. Well, let's do this. Explain the process to me?

2 A. The way the Detroit Police Department facial
3 recognition system works is all mugshots are
4 processed and kind of -- you know, they're digital
5 photographs, but the algorithm runs against those
6 images and creates like a template. And then you
7 will take a probe photograph like someone from a
8 crime scene from a -- the party store or someone
9 takes -- gets a picture of something that happens.

10 You have that photograph is run against
11 the existing mugshot^{photograph} photographs. And that -- what
12 the system will do is say, I have this probe
13 photograph which I digitized and ran the algorithm
14 against, and it looks for the closest match or
15 matches within the existing mugshot photographs.

16 Q. So the probe photograph or the probe image, the
17 quality of the probe image in and of itself, what is
18 the ideal situation there?

19 A. The higher resolution, the better. I can't recall
20 the exact figures, but for facial recognition you
21 want to have a certain number of pixels. It's the
22 instantaneous field of view where pixels on target
23 which is like the number of pixels that are made up
24 of -- I can't recall the exact numbers, but the
25 higher the better.

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1 Q. When you increase an image, then that decreases the
2 pixelation?

3 A. When you say increase, what do you mean?

4 Q. I mean, when you blow something up. You blow an
5 image up, don't you decrease the pixelation?

6 A. The number of pixels are set at the time the image
7 is captured. When you zoom in on a picture you're
8 seeing -- you're more likely to see pixelization,
9 which means you're seeing more individual pixels.
10 So it's not -- the zooming in doesn't pixelate it.
11 It's just you have an existing -- you have a picture
12 that's, let's say, 1080p which is kind of like a
13 standard pixelization. If you zoom in on it you'll
14 see more pixels, but even the highest resolution
15 photographs, if you zoom in close enough you'll see
16 pixels. That's just what pictures are made of -- or
17 digital pictures, rather.

18 Q. When you increase the image don't you lose some of
19 the -- some of the -- something?

20 A. No.

21 Q. The image quality?

22 A. No, the image is made up of pixels. You have --
23 it's taken with a certain pixelization. Like you
24 have 1080p, you've got 2k. As you get more pixels
25 you can zoom in closer before you see or, you know,

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1 when you can get in close with the picture before
2 you see pixelization. It's kind of whatever you
3 take is what you get and then --

4 Q. So are you saying that if we were to blow this image
5 up here --

6 A. I can't see it.

7 Q. That image up here, to the size of that
8 eight-and-a-half by eleven page, you're saying you
9 wouldn't lose quality?

10 A. Yeah, I'm looking at --

11 Q. Plaintiff's Exhibit Number 3?

12 A. -- Plaintiff's Exhibit 3.

13 Q. And you're looking at the middle photograph in that
14 imagery. Are you saying that if you were to blow
15 that let's say, inch-and-a-half by inch-and-a-half
16 photograph up to eight-and-a-half by eleven, the
17 size of that piece of paper, that you wouldn't lose
18 quality?

19 A. What I'm saying is the picture would be the same,
20 but you're going to have -- you're -- because you're
21 blowing it up the pixels will be -- the individual
22 pixels will be larger, so more readily apparent.

23 Q. Okay. The image quality is going to change, yes or
24 no?

25 A. No.

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1 Q. Okay. What would change?

2 A. Because you're enlarging each individual pixels --
3 pixel, the pixels would be more readily apparent.

4 Q. Well would they be bigger? Would they be, you know
5 -- would the focus be less or something? It would
6 have to change.

7 A. No. The focus, you know -- the focus of when the
8 picture was taken would be whatever the focus of the
9 camera was at that time. Because you're expanding
10 the size of the picture, the individual pixels
11 become more readily apparent to you.

12 Q. So how does that change the image at all? How does
13 that change the quality of the image of what you're
14 using. You've got to -- I mean it's like, you know,
15 it's like I'm not smart like you, you know, I'm
16 struggling here, so you got to give it to me.

17 MR. CUNNINGHAM: Tell him what a pixel
18 is.

19 THE WITNESS: A pixel is like -- when I
20 say 1080P, it's like 1080 --

21 BY MR. ROBINSON:

22 Q. Let's not be technical. Let's just be real. You
23 blow a photograph up, it changes, it changes the
24 quality?

25 MR. CUNNINGHAM: He's trying --

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1 MR. ROBINSON: Hold on.

2 BY MR. ROBINSON:

3 Q. It changes something in the quality, the image.

4 What you see is different than what you originally
5 had, yes or no?

6 A. No.

7 Q. Okay. It just makes it bigger. Does it make it
8 bigger and better?

9 A. An analogy, like a non-technical analogy. It's like
10 when you get really close on a newspaper, you can
11 see the individual dots when you print something.
12 Monet's paintings are the same way. You know, from
13 a distance I see, you know, we both been in the DIA,
14 I'm sure you know, you see the -- it's a river side.
15 You get up close and there's the individual dots and
16 it's exactly the same thing with a picture. By --
17 you're not really enlarging -- you're making the
18 picture -- you're essentially getting -- by
19 expanding it like, let's say you had a picture and
20 you pasted it in a word document and you make it
21 bigger and the resolution decreases.

22 You're just getting a -- you're seeing
23 more of the individual pixels. Same image, it's
24 just you're changing how close you are to it, in
25 essence.

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1 Q. You're changing something, right?

2 A. **Just the size.**

3 Q. Your testimony, right, your size, right, whatever.
4 Your testimony is that that image quality is the
5 exact same; that if you were to increase
6 one-and-a-half by one-and-a-half image in that
7 middle page in Plaintiff's Exhibit Number 3, the
8 eight-and-a-half by eleven and then you submitted
9 that eight-and-a-half by eleven as a probe image,
10 that's okay because it didn't change anything,
11 that's your testimony?

12 A. **No, that's like a different scenario. If you took a**
13 **photograph, pasted it into a word document,**
14 **stretched it and saved that image and submitted it,**
15 **that's an entirely different image.**

16 Q. That's what I'm talking about. That's exactly what
17 I'm talking about.

18 A. **Right, well that's -- with facial recognition you**
19 **want to have the best quality photograph. I don't**
20 **believe that anyone at the Detroit Police Department**
21 **or anywhere is pasting a picture in a word document,**
22 **stretching it out, taking, saving that image and**
23 **then submitting it.**

24 Q. How do you know?

25 A. **Someone, somewhere could be thoughtless enough to do**

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- 1 that, but I would be very surprised.
- 2 Q. How about Mr. Dablitz?
- 3 A. I don't know what his practices are.
- 4 Q. Because he's given testimony that he blew up that
- 5 image?
- 6 A. I'm looking at Exhibit 3, there's original image,
- 7 there's an inquiry image, and what I see was he
- 8 cropped that picture as opposed to made it bigger.
- 9 Q. You're not going to dispute what Mr. Dablitz said in
- 10 his deposition, are you?
- 11 A. I don't know what he said.
- 12 Q. Okay.
- 13 A. But looking at these images, there's the original
- 14 image which was a photograph -- looked like a
- 15 photograph from inside of a car. Then a cropped
- 16 image which appears to be the same photograph.
- 17 Q. It looks like part of the forehead is cropped off
- 18 too, right?
- 19 A. No, it looks like the young man is fortunate enough
- 20 to still have all his hair, so I can't see where his
- 21 forehead is.
- 22 Q. Do you see --
- 23 A. Oh, yeah, you're right, you're right, that's the
- 24 car.
- 25 Q. Right. It's cut off, correct?

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1 A. Yes, because the first image he's -- it looks like
2 it's taken inside of a vehicle and the upper portion
3 of the window cropped off the -- I can't tell if
4 it's his hairline or slightly below his hairline.

5 Q. Okay. And if you look at the ears, don't the top of
6 those ears kind of point out to you, on this image
7 in the middle, the top of the ears?

8 A. The --

9 Q. Kind of like your ears.

10 A. -- yeah, the -- what I can tell you is he had his
11 head at an angle, and so you can see both of his
12 ears.

13 Q. Don't the ears right at the top crop out like yours?

14 A. Crop out or stick out?

15 Q. Stick out, just like yours.

16 A. I'd have to think about -- I'd have to -- I'm not
17 trying to be silly, but I'd have to look at my ears.
18 I've never really been that self-conscious. But,
19 no, his -- I will be self-conscious in the future, I
20 will admit that.

21 Q. Take a look.

22 A. I will take my phone and reverse it.

23 Q. So your ears crop out at the top?

24 A. Stick out or crop out?

25 Q. Whichever way you want to look at it. They're not

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1 like tucked into your -- to the side of your head
2 just like his, right?

3 A. I don't want to pick on this fellow, but I think his
4 ears stick out a little bit more, but his head's at
5 an angle.

6 Q. How about these ears on this guy, do those ears crop
7 out?

8 A. I'm looking at Exhibit --

9 Q. 2?

10 A. -- 2, which appears to be a photo line-up.

11 Q. And you're looking^{***FENNESSEY***} at the second row?

12 A. I'm looking at -- this is a six-pack with six
13 photographs. I would say number 5, which is a
14 head-on photo.

15 Q. The ears look like they're tucked in more, right?

16 A. I'm comparing a photograph where his head's at an
17 angle to a photograph where the head's straight
18 ahead. So, I can't tell you. The photos are not
19 the same. They're dissimilar in the angles.

20 Q. I'm just talking about the ears.

21 A. Yeah, if you turn your head at an angle, your ears
22 are going to stick out more readily apparent than a
23 straight on photograph.

24 Q. Mr. Fennessey, I'm looking at you right now, and if
25 you turn profile your ears would still stick out

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1 like that, okay. And I'm not talking about your
2 ears, my ear lobes are funny, people tell me.
3 That's just human characteristics. Those aren't the
4 biometrics that these algorithms are supposed to be,
5 you know, looking at, true, yes or no?

6 **A. The facial recognition algorithms do not look at the**
7 **ears.**

8 **Q. By whom?**

9 **A. Biometric, biometric --**

10 **Q. That's not true, that's not true, they look at your**
11 **whole face.**

12 **A. Based on my understanding of facial recognition**
13 **algorithms is they do not look at yours ears. Ears**
14 **are not biometrically certain identifier. Biometric**
15 **identifiers are things like fingerprints, retinal**
16 **scans, DNA, where you're using someone's biometric**
17 **-- something that's fixed to identify somebody. So**
18 **facial recognition, and I may be misusing the term.**
19 **I don't believe that's a biometric certain**
20 **identification.**

21 **Q. What about the human ability of just examining, just**
22 **observing? I mean that's part of this whole thing**
23 **too, isn't it, to identify a person? Because if the**
24 **ears are different, then that should clue you in to**
25 **maybe it's a different person, right? Shouldn't**

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1 that work -- are you saying that if you're talking
2 about facial recognition that you're supposed to
3 cancel out, you know, the human ability to call
4 distinctions between differences, yes or no?

5 **A. Couple different things raised there. One is like**
6 **people recognizing each other is one thing. Facial**
7 **recognition technology, based on my understanding of**
8 **it, does not rely on ears. Ears at one point were**
9 **relied on by and going back in my history here, some**
10 **French guy back in the 1800's thought you could use**
11 **ears to uniquely identify people. But everyone**
12 **stopped using that by the 20th century,**
13 **19th century.**

14 **Q.** You can go to facial recognition and I mean, and the
15 biometrics and so forth of ears. My question went
16 to human, you know, propensity, the propensity to
17 examine two different pictures and make visual
18 comparisons based on, you know, the skills of what
19 our eyeballs afford us. And when you look at those
20 two pictures, the ears are different regardless of
21 the angle as you tried to indicate.

22 MR. CUNNINGHAM: That's not a question.

23 MR. ROBINSON: And that's a question.

24 MR. CUNNINGHAM: That is not a question.

25 It's a statement.

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1 BY MR. ROBINSON:

2 Q. Isn't that true?

3 A. No, when I looked at the inquiry image on Exhibit 3,
4 you have someone's head is at an angle in an upward
5 tilt. When I look plaintiff's Exhibit Number 2,
6 image number five and the six-pack, you have someone
7 who's got a straight-on photograph where there's no
8 tilt or angle.

9 Q. Would you allow me in this deposition to take your
10 photograph?

11 A. I prefer you don't.

12 MR. CUNNINGHAM: Let's not do that, Dave.
13 BY MR. ROBINSON:

14 Q. All right, but I want to see your ears, I want to
15 see how your ears are cropped out. Will you allow
16 me to do that, Mr. Fennessey?

17 MR. CUNNINGHAM: No, no, his ears are not
18 in evidence in this case.

19 MR. ROBINSON: His testimony is.

20 MR. CUNNINGHAM: Yes, so ask him
21 questions.

22 MR. ROBINSON: I'm asking him questions,
23 would you allow me to do that, yes or no?

24 MR. CUNNINGHAM: No.

25 THE WITNESS: I prefer not to have my

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1 image taken.

2 MR. ROBINSON: All right. I don't have
3 anything else.

4 MR. CUNNINGHAM: I don't have any
5 questions. E. trans.

6 MR. ROBINSON: E trans.

7 (Deposition concluded about 11:01 A.M.)

8 — — —

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1 CERTIFICATE OF NOTARY PUBLIC - COURT REPORTER

2 I do certify that the attached
3 deposition was taken before me in the above-entitled
4 matter; that the witness was first sworn to testify
5 the truth; that the testimony contained herein was
6 by me reduced to writing in the presence of the
7 witness by means of stenography, and afterwards
8 transcribed upon a computer. The attached pages are
9 a true and complete transcript of the testimony and
10 proceedings.

11 I do further certify that I am not
12 connected by blood or marriage with any of the
13 parties, their attorneys or agents, and that I am
14 not an employee of either of them, nor interested,
15 directly or indirectly, in the matter of
16 controversy.

17 IN WITNESS WHEREOF, I have hereunto set
18 my hand and affixed my notarial seal at West
19 Bloomfield, Michigan, County of Oakland, this 8th
20 day of October 2022

21 

22 Theresa L. Roberts, CSR

23 Certified Shorthand Reporter - CSR-4870

24 Notary Public - Oakland County, MI

25 My commission expires 10-4-2027

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